

### Abstract

A laminate film comprising a polyolefin resin layer having a discharge-treated surface on one side of the polyolefin resin layer comprising at least 0.3% nitrogen functional groups on the discharge-treated surface; and a metal layer having an optical density of at least about 2.6 deposited on the discharge-treated surface of the polyolefin resin layer has a barrier durability under 9% elongation of 46.5 cc/m<sup>2</sup>/day or less oxygen transmission rate through the laminate film.